

## INDEX.

	PAGE
BLAKE, E. M. The Ellipsograph of Proclus, . . . . .	146
BLICHFELDT, H. F. On a certain Class of Groups of Transformation in Space of Three Dimensions, . . . . .	113
BOLZA, OSKAR. Remarks concerning the Expansions of the Hyperelliptic Sigma- Functions, . . . . .	101
DICKSON, LEONARD EUGENE. Canonical Form of a Linear Homogeneous Substitu- tion in a Galois Field, . . . . .	121
Certain Subgroups of the Betti-Mathieu Group, . . . . .	49
Concerning the Cyclic Subgroups of the Simple Group $G$ of all Linear Fractional Substitutions of Deter- minant Unity in Two Non-Homogeneous Variables with Coefficients in an Arbitrary Galois Field, . . . . .	231
GILESPIE, WILLIAM. On the Reduction of Hyperelliptic Integrals ( $p = 3$ ) to Elliptic Integrals by Transformations of the Second and Third Degrees, . . . . .	257
HATZIDAKIS, N. J. Displacements Depending on One, Two, . . . , $k$ Parameters in a Space of $n$ Dimensions, . . . . .	154
HOLGATE, THOMAS F. Note Additional to a Former Paper "On Certain Ruled Surfaces of the Fourth Order," . . . . .	27
LEHMER, DERRICK NORMAN. Asymptotic Evaluation of certain Totient Sums, . . . . .	293
LING, G. H., and MILLER, G. A. Proof that there is no Simple Group whose Order lies between 1092 and 2001, . . . . .	13
LOVETT, E. O. A Property of Lines in $n$ -Dimensional Space, . . . . .	226
Families of Transformations of Straight Lines into Spheres, . . . . .	138
Note on the Differential Invariants of Goursat and Painlevé, . . . . .	41
Supplementary Note on Projective Invariants, . . . . .	46

- METZLER, W. H. On the Excess of the Number of Combinations in a Set which have an Even Number of Inversions over those which have an Odd Number, . . . . . 55
- MILLER, G. A. On the Product of Two Substitutions, . . . . . 185
- MOORE, ELIAKIM HASTINGS. Concerning Klein's Group of  $(n+1)!$   $n$ -ary Collineations, . . . . . 336
- The Cross-Ratio Group of  $n!$  Cremona Transformations of Order  $n-3$  in Flat Space of  $n-3$  Dimensions, . . . . . 279
- PETROVITCH, MICHEL. Appareil à liquide pour l'intégration graphique de certains types d'équations différentielles, . . . . . 1
- RETTGER, E. W. On Lie's Theory of Continuous Groups, . . . . . 60
- SLAUGHT, HERBERT ELLSWORTH. The Cross-Ratio Group of 120 Quadratic Cremona Transformations of the Plane, . . . . . 343
- SNYDER, VIRGIL. Lines of Curvature on Annular Surfaces having Two Spherical Directrices, . . . . . 96
- On Some Invariant Scrolls in Collineations which leave a Group of Five Points Invariant, . . . . . 253
- STECKER, HENRY FREEMAN. Non-Euclidian Properties of Plane Cubics, . . . . 31
- WILCZYNSKI, E. J. On Continuous Binary Linearoid Groups, and the Corresponding Differential Equations and  $\Lambda$  Functions, . . . . . 191

